



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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February 6, 1987

Mr. Thomas Saunders  
Plant Manager  
Utah Portland Quarries, Inc.  
615 West 8th South  
P.O. Box 1469  
Salt Lake City, Utah 84110

Dear Mr. Saunders:

Re: Initial Completeness Review, MR-1 Application, Utah Portland Quarries, Inc., Quarry Antone Clay Mine, ACT/045/021, Tooele County, Utah

The Division has completed the initial completeness review of your mining and reclamation permit application for the Quarry Antone mine, received January 7, 1987. The application is incomplete and the following deficiencies must be addressed before the review process can proceed towards tentative approval:

Rule M-3 Confidential Information - DWH

MR-1, page 12 of 13:

- (1) The applicant has indicated that confidential information is enclosed with the application. Pursuant to Rule M-3(1), page 86 of the mining and reclamation rules and regulations; "information relating to the location, size, or nature of the deposit, and marked confidential by the Operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record.....". Please identify the information which the applicant wishes to remain confidential. ✓

Rule M-3(1)(f) Depth of Water Bearing Strata, Deposit Thickness - DWH ✓

MR-1, page 5 of 13:

- (1)(f) How was it determined that no aquifers will be encountered during mining activities?

A 100 foot clay deposit is indicated in the application. How deep will this formation be mined? What is the average thickness and composition of the overburden material to be removed and stockpiled for reclamation?



Rule M-3 Mining Sequence - FJF

- (3) The mining sequence table should include the projected topsoil quantity for Area 7. ✓

Rule M-6 Plans and Maps - FJF

The narrative refers to areas 1 - 7 on Map #1 while the map has areas #1, TS#1, A, B, #2, TS#2, and C listed. Either the map or the narrative should be corrected to avoid confusion. ✓

Rule M-10 Drainages - DMW

- (8) Item # 24 on page 9 of the applicant's MR-1 states that " ...Some natural drainages exist on the site that do show some erosional potential. However, these areas will not be disturbed by any mining activity". In light of the fact that an ephemeral channel crosses through the proposed mining area, please provide a justification of the above statement. Reducing the elevation of the channel in the quarry area has the potential of causing severe headcutting upstream from the point of disturbance. ✓

VARIANCE REQUESTS:

Rule M-10 Slopes Variance - DMW

- (4) Because the applicant's justification for variance from this rule is directed at rock highwalls only, the Division will consider this request under Rule M-10(5) (Highwalls) and deny the request for slope variance.

Rule M-10 Highwall Variance - FJF

- (5) A typical cross section of the proposed quarry should be submitted. This cross section should show anticipated quarry depth, slope configuration, and the angle in which the bedded strata intercepts the quarry highwalls. ✓

Rule M-10 Toxic Materials Variance - DMW

- (6) The applicant has applied for a variance stating that toxic materials are not known to exist on site. The Division can only grant a variance to a rule when the site-specific conditions surrounding such occurrences are known and adequate mitigation is provided. The request for variance is inappropriate and therefore denied.



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Rule M-10 Roads and Pads Variance - DMW ✓

(7) The applicant has requested a variance to this rule, indicating that mine site roads and pads will be reclaimed by covering with a thin layer of topsoil and revegetated. In addition to this treatment, the Division requires that:

- 1) Roads and pads be regraded to the approximate original contour where practical, and rip-scarified prior to revegetation.
- 2) During final reclamation, water bars be constructed at 200 to 300 foot intervals on those sections of the haul loop road with grades greater than 8 percent.

The request for variance is therefore denied.

Rule M-10 Shafts and Portals Variance - DWH ✓

MR-1, page 7 of 13, #22A:

- (10) The applicant has requested a variance to the shaft, tunnel and drill hole closure and underground mining requirements. A variance is not necessary, unless the proposed operations anticipate creating any of these types of mine related openings?

Rule M-10 Sediment Control Variance - DMW ✓

- (11) The applicant has requested a variance from this rule. With the exception of the measures noted above under rule M-10(7), the Division agrees that no additional sediment and erosion control measures need to be implemented on-site at this time. However, a variance cannot be granted until additional information is submitted concerning the status of the ephemeral drainage channels on site.

Rule M-10(13) Dams Variance - DMW

- (14) The applicant has requested a variance from this rule for the quarry. Because no actual water impounding structures (i.e. tailing dams, water supply dams or sediment control dams) are being constructed for the operation, the Division has determined that this request for variance is best addressed under the rule for impoundments. A variance from Rule M-10(3), Impoundments, is therefore granted for the quarry bottom only. All other fills, pads and regraded areas must be self-draining and non-impounding when abandoned.



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Rule M-10 Soils - DWH

MR-1, page 6 of 13, #21C:

- (14) The applicant states that topsoil will be stockpiled, compacted, rounded and covered with shale or crushed limestone for protection against erosion. This is not an acceptable practice for storing and protecting stripped topsoil from a disturbed area. Topsoil should not be intentionally compacted, or covered with a material which could adversely effect its ability to support vegetation. Therefore, the Division recommends that alternate methods of erosion control protection be provided. Some examples of erosion protection may include: interim revegetation of the stockpile using a seed mixture which is adaptable to the environmental conditions of the mine site area; berms, organic mulch, silt fences, straw bales, etc.

General Comments:

MR-1, page 11 of 13 - Notarized Application

The application includes an apparent copy of the originally notarized application form. The applicant must provide the original copy of this notarized page with the notary's seal affixed.

The Division would like to perform a field visit to the site with the applicant in order to better our understanding of the proposed operations and perhaps discuss resolution to some of the concerns raised above. We will contact you after you receive this response to coordinate a site inspection.

We will continue with the review process upon receipt of your response to the deficiencies discussed above. If possible, please respond by March 9, 1987. Please contact me, Frank Filas or David Wham should you have questions or concerns.

Sincerely,



D. Wayne Hedberg  
Permit Supervisor/  
Reclamation Hydrologist

jvb  
cc: Lowell Braxton  
Frank Filas  
David Wham  
8992R-54